Movistar, the first Spanish operator completing its IPv6 roll-out in the entire mobile network

- The deployment, which has also been carried out for O2 customers in Spain, will be available in fixed broadband before the end of the year.

- The main benefits of using IPv6 are faster access speeds to large content providers, improved security and the development of innovative services.

Madrid, June 8th, 2023.- Movistar has completed the deployment of IPv6 (Internet Protocol version 6) throughout its mobile network, so that it is now available in any location and for all generations of mobile telephony (2G, 3G, 4G and 5G). This full deployment has also been done for O2 users in Spain.

In this way, Movistar becomes the first operator in Spain to handle the Internet traffic of its mobile users with IPv6 with a whole network deployment. Currently, the operator has a total of 4 million accesses over IPv6 and it is expected to also reach all fixed broadband accesses before the end of the year.

IPv6 is supported by Android terminals and is transparent to the user who uses a terminal purchased from April 2021 onwards. In the event that it is prior to that date, the customer's manual intervention is necessary to configure the APN (Access Point Name) 'telefonica.es' on his mobile. Throughout the last quarter of 2023 it will also be available for iOS devices.

The main benefit of using IPv6 lies in a greater access speed to the large providers that already publish their contents in IPv6 by eliminating the usual intermediate address translation steps in IPv4.

In addition, this protocol greatly simplifies addressing and network architectures, allowing for more robust security and higher scalability of cloud loads and containers (eg. Kubernetes architectures).

The user can voluntarily activate or deactivate the IPv6 protocol of his terminal through the configuration menus. In addition, you have the option of knowing if you are accessing the contents with IPv4 or IPv6 in different ways: from a page that shows the IP with which this website was accessed (such as www.whatismyip.com) or through the

page www.test-ipv6.com that checks the use of IPv6 addressing, or with an app that indicates the IPs used in the terminal.

In November 2022, Movistar kicked off this deployment to provide IPv6 addresses to mobile users who had the APN 'telefonica.es' configured on their IPv6/IPv4 compatible device.

Currently, the arrival of IPv6 is also accelerating the adoption by enterprises worldwide, which among other benefits include a new field open to innovation: since IPv6 has greater extensibility options -which enable services that cannot be provided with IPv4- such as: native-IP IoT mesh home networks (Matter/Thread standard promoted by Apple, Google, Amazon and Samsung) and all-IP WAN networks segmentation (SRv6) which is actually already used in corporate networks in production by some multinationals.